What Is a VPS? VPS vs. Shared Hosting

hosting · https://www.hyyat.com/en/knowledgebase/what-is-vps/

In short: A **VPS** (Virtual Private Server) is a slice of a powerful server, split using virtualization, that works as an independent server with **dedicated resources** (CPU, RAM and storage) and **full root access**. Unlike shared hosting, you don't share resources with other websites.

What is a VPS?

A large physical server is divided into several isolated virtual servers. Each VPS runs its own operating system and has a fixed share of CPU, RAM and storage that no one else uses. You control it like a full server: install any software and change settings freely.

Shared hosting vs. VPS vs. dedicated server

	Shared hosting	VPS	Dedicated server
Resources	Shared with other sites, with limits	Dedicated and guaranteed	The whole server
Control	cPanel only	Full root access	Full access
Performance	Good for small and medium sites	High and consistent	Highest
Management	Handled by the host	You, or we manage it for you	You or a specialist team
Cost	Lowest	Medium	Highest
Best for	Beginners and company sites	Large sites, stores and apps	Very large projects

When should you move to a VPS?

- Your site has become slow or you hit resource limits as traffic grows.

- You need software or versions shared hosting doesn't allow (such as Node.js, Docker or a specific database).
- You run several large sites or a busy online store.
- You need an isolated, secure environment for a company app or system.
- You want to offer hosting to your own clients.

VPS advantages

- **Guaranteed resources:** consistent performance not affected by other sites.
- **Full control:** root access and your choice of operating system.
- **Scalability:** add resources as you grow, without losing data.
- **Better isolation and security:** your environment is separate from others.

Managed or unmanaged VPS?

Unmanaged: you get the server and handle software, updates and security yourself. Suitable if you have technical experience.
Managed: our team manages, secures and updates the server for you at an extra cost. See server management.

For management, upgrades and operating systems, see the cloud server and VPS FAQ. For other hosting types, see what is web hosting?.

See VPS and cloud server plans, with support that replies within 24 hours.

Related guides

- What is NVMe?
- What Is Web Hosting? Types and How to Choose
- What is email hosting?
- Resource usage shows that the hosting plan limits have been reached

Need this service from Hyyat Host?Our team handles it for you, with support replying to tickets within 24 hours at most.

Server Managementdedicated server